

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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|------------------------|----------------------|
| Application Number | 09/705,675 |
| Filing Date | November 3, 2000 |
| First Named Inventor | A. Buchsbaum, et al. |
| Art Unit | 2154 |
| Examiner Name | J. Chang |
| Attorney Docket Number | 1999-0507-CIP-1 |

Sheet 1

of 2

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| JWC | | US- 2004/0090913 A1 | 05/13/2004 | Scudder, et al. | — |
| JWC | | US- 2004/0088571 A1 | 05/06/2004 | Jerrim, et al. | — |
| JWC | | US- 6,725,261 B1 | 04/20/2004 | Novaes, et al. | — |
| JWC | | US- 2004/0059830 A1 | 03/25/2004 | Brown | — |
| JWC | | US- 2003/0236793 A1 | 12/25/2003 | Karlsson | — |
| JWC | | US- 2003/0046343 A1 | 03/06/2003 | Krishnamurthy et al. | — |
| JWC | | US- 2002/0198961 A1 | 12/26/2002 | Krishnamurthy et al. | — |
| JWC | | US- 2002/0129086 A1 | 09/12/2002 | Garcia-Luna-Aceves | — |
| JWC | | US- 6,295,283 B1 | 09/25/2001 | Falk | — |
| JWC | | US- 6,078,954 | 06/20/2000 | Lahey, et al. | — |
| JWC | | US- 5,835,720 | 11/10/1998 | Nelson, et al. | — |
| | | US- | | | |
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FOREIGN PATENT DOCUMENTS

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| Examiner Signature | <i>CMA JWC</i> | Date Considered | 5/25/05 |
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| First Named Inventor | A. Buchsbaum |
| Art Unit | 2154 |
| Examiner Name | J. Chang |
| Attorney Docket Number | 1999-0507-CIP-1 |

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

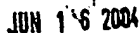
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| JWC | | U.S. Patent Application No. 09/603,154, filed June 23, 2000 | |
| JWC | | U.S. Patent Application No. 09/705,325, filed November 3, 2000 | |
| JWC | | U.S. Patent Application No. 10/213,587, filed August 7, 2002 | |
| JWC | | U.S. Patent Application No. 10/213,611, filed August 7, 2002 | |
| JWC | | U.S. Patent Application No. 10/254,378, filed September 25, 2002 | |
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| Examiner Signature | <i>Chang J. W. Chang</i> | Date Considered | 5/25/05 |
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U. S. PATENT DOCUMENTS

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|------------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ^{2 (if known)} | | | |
| JWC | | US- 6,330,561 | 12/11/2001 | Cohen, et al. | _____ |
| JWC | | US- 6,182,121 | 01/30/2001 | Wiaschin | _____ |
| JWC | | US- 6,134,588 | 10/17/2000 | Guenther, et al. | _____ |
| JWC | | US- 6,119,153 | 09/12/2000 | Dujari, et al. | _____ |
| JWC | | US- 5,706,507 | 01/06/1998 | Schloss | _____ |
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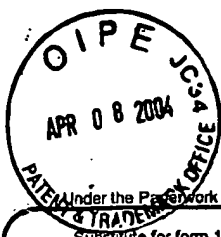
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| Examiner Signature | <i>WJ TW</i> | Date Considered | 5/25/05 |
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| Application Number | 09/705,675 |
| Filing Date | 11/03/2000 |
| First Named Inventor | A. Buchsbaum et al. |
| Art Unit | 2152 |
| Examiner Name | J. Chang |
| Attorney Docket Number | 1020-0064-USA |

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| | | Number-Kind Code ² (if known) | | | |
| JWC | | US- 6,611,873 | 08-26-2003 | Kamchara | |
| JWC | | US- 5,856,974 | 01-05-1999 | Gervais et al. | |
| JWC | | US- 6,532,217 | 03-11-2003 | Alkhabit et al. | |
| JWC | | US- 6,343,320 | 01-29-2002 | Fairchild et al. | |
| JWC | | US- 6,425,014 | 07-23-2002 | Aiken, Jr. et al. | |
| JWC | | US- 6,470,389 | 10-22-2002 | Chung et al. | |
| JWC | | US- 6,546,424 | 04-08-2003 | Cucchiara | |
| JWC | | US- 6,549,538 | 04-15-2003 | Beck et al. | |
| JWC | | US- 6,243,761 | 06-05-2001 | Mogul et al. | |
| JWC | | US- 6,195,622 | 02-27-2001 | Altschuler et al. | |
| JWC | | US- 6,396,842 | 05-28-2002 | Rochberger | |
| JWC | | US- 6,192,417 | 02-20-2001 | Block et al. | |
| JWC | | US- 6,560,610 | 05-06-2003 | Eatherton et al. | |
| JWC | | US- 6,266,706 | 07-24-2001 | Brodnick et al. | |
| JWC | | US- 6,006,259 | 12-21-1999 | Adelman et al. | |
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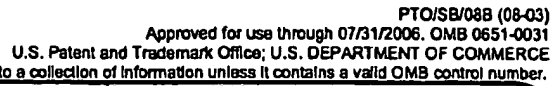
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| Examiner Signature | <i>UWA JWC</i> | Date Considered | 5/25/05 |
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| Application Number | 09/705,675 |
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| Filing Date | 11/03/2000 |
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| First Named Inventor | A. Buchsbaum et al. |
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| Art Unit | 2152 |
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| Examiner Name | J. Chang |
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| Attorney Docket Number | 1020-0064-USA |
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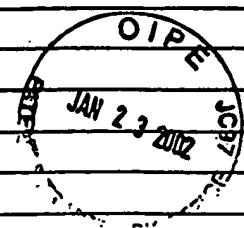
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Application Number | 09/705675 | |
| | | | Filing Date | 11/03/2000 | |
| | | | First Named Inventor | Adam Louis Buchsbaum et al. | |
| | | | Group Art Unit | 2152 | |
| | | | Examiner Name | | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 1999-0507 CIP-1 |



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| JWC | AA | Gene Cheung, et al., Optimal Routing Table Design for IP Address Lookups Under Memory Constraints, IEEE Infocom '99 Proceedings, p. 1437-44 (March 23, 1999) |
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